

Work Order ID 63364

October 28, 2010 8:31:09 AM



Page 1

Item ID: D4188-7

Accept



Setup Start



Revision ID: PRELIM

Item Name: Spring, Pivot

Stop



Start Date: 10/28/10 Start Qty: 6.00



Cust Item ID:

Required Date: 11/12/10 Req'd Qty: 6.00



Customer:

Reference:

Approvals: Process Plan: CL Date: 10/10/28

Tooling:

Date:

Run Start



QC: _____ Date: _____

Date:

SPC (Y/N): _____

Date:

Stop



| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|

| Draw Nbr | Revision Nbr |
|----------|--------------|
| D4188 | PA1 |

100

0.00



PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O: 12822

Make as per dwg

Possible Supplier: VICTORY SPRING Material release note required

CL 10/10/28 (6)

110

0.00



Receive & Inspect for Damage & Mat'l Certs

Packaging

Memo

0.00

Packaging

Ensure Material Release Note is attached

CL 10/10/16 (6)

120

QC6- Inspect dimensions to drawing

0.00 - Inspector to PA1



QC

Memo

0.00

Quality Control

Day only
10/11/13 (6)

PRELIMINARY ISSUE



| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
| | | | | | | | | |
| | | | | | | | | |
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NOTE: Date & initial all entries

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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NOTE: Date & initial all entries

Picklist Print

October 28, 2010 8:31:08 AM

Page 1

Work Order ID: 63364



Parent Item: D4188-7



Parent Item Name: Spring, Pivot


Start Date: 10/28/10

Required Date: 11/12/10

Start Qty: 6.00

Required Qty: 6.00

Comments: IPP REV:A NEW ISSUE 10-10-19 JLM VERIFIED BY:DD

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
|---|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|---------------------|--------|
| D4188-7P  Spring, Pivot | | Purchased | | No | | | Each | 0.0000 | 1 | 6 | | <i>10/28/10</i> (6) | |

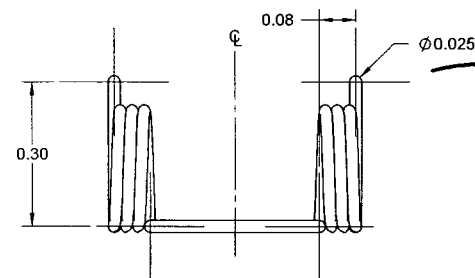
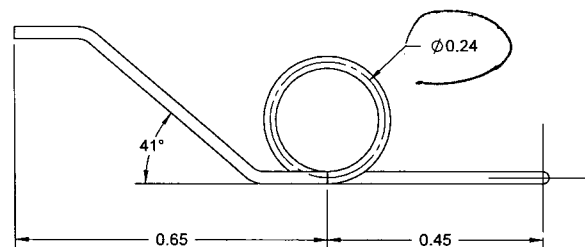
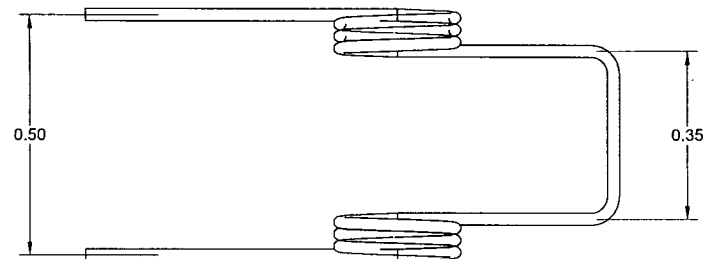
| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
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| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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NOTE: Date & initial all entries





D4188-7 SPRING - PIVOT

CL 10/10/28
W10: 63364

NOTES:

- 1) MATERIAL: STAINLESS STEEL WIRE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 0.00 lbs

| | | | |
|--|---|--|--------------|
| DESIGN |  | DART AEROSPACE LTD | |
| DRAWN |  | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED | | DRAWING NO. | REV. PA1 |
| MFG. APPR. | | D4188 | SHEET 5 OF 6 |
| APPROVED | | TITLE | SCALE |
| DE APPR. | | SPRING | NTS |
| DATE | 10.09.21 | COPYRIGHT © 2010 BY DART AEROSPACE LTD | |
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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO12822**

Purchase Order Date 10/28/10
PO Print Date 10/28/10

Page Number 2 of 2

Order From :

VC-VIC002

VICTORY SPRING LTD.
#2 6104 - 82 AVE.
EDMONTON, AB T6B 0E7
CA

Contact Name
Vendor Phone
Vendor Fax
Vendor Account Nbr

866 230 5312
866 230 5338

Buyer
Requisition Nbr
Tax Resale Nbr
Terms
Currency
FOB

Chantal Lavoie
10127-2607
Net 30
CAD
Destination-Collect

Special Inst: AS ABOVE
B63363

5

D4188-7P

Spring, Pivot

11/12/10
Yes

6.00 FedEx PI ppd
Each

\$38.4200

\$230.52

Special Inst: AS ABOVE
B63364

6

D4188-9P

Spring, Plunger

11/12/10
Yes

6.00 FedEx PI ppd
Each

\$15.0700

\$90.42

Special Inst: AS ABOVE
B63365

PO Total:

\$839.46

CERTIFICATE OF CONFORMITY
REQD UPON DELIVERY

Change Nbr: 1

Change Date: 10/28/10

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable



#2, 6104 - 82 Ave, Edmonton, AB T6B 0E7
Tel: (780) 442-4020 Fax: (780) 466-8000

MATERIAL CERTIFICATION

| | |
|-------------------------------------|----------------------------|
| CUSTOMER: Dart Aerospace Ltd | SPRING DESCRIPTION: |
| PO: PO102822 | PART / DRAWING #: |
| DATE: 12-Nov-10 | QUANTITY: |

MATERIAL SPECIFICATION

Stainless Steel Type 302 ASTMA313-03

CHEMICAL ANALYSIS

| | | |
|-------------|--------|--------|
| Aluminum: | (Al) | |
| Carbon: | (C) | 0.070 |
| Chromium: | (Cr) | 18.600 |
| Cobalt: | (Co) | |
| Copper: | (Cu) | 0.250 |
| Iron: | (Fe) | |
| Lead: | (Pb) | |
| Manganese: | (Mn) | 1.220 |
| Molybdenum: | (Mo) | 0.250 |
| Nickel: | (Ni) | 8.350 |
| Nitrogen: | (N) | 0.040 |
| Phosphorus: | (P) | 0.024 |
| Silicon: | (Si) | 0.410 |
| Sulphur: | (S) | 0.005 |
| Tin: | (Sn) | |
| Titanium: | (Ti) | |
| Vanadium: | (Va) | |
| Zinc: | (Zn) | |

PHYSICAL PROPERTIES

Size: .025" Dia.
Tensile: 306,000 PSI
Hardness:
Heat # 42101

Inspector to PA1
Dry only
81016117 (46)

Victory Spring Ltd. Certifies that the above data is true and correct copy of that contained in the records of the company.

Chris Burrowes

Quality Dept.

Precision Coil Springs & Wire Forms



2,6104 - 82 Ave
Edmonton, AB T6B 0E7
t + 780 442 4020
f + 780 466 8000

To: Dart Aero
Attn: Chantal Lavoie

QUOTATION

It is our pleasure to quote on the following:

Date 27-Oct-10

| DESCRIPTION & SPECIFICATIONS | QUANTITY | PRICE |
|------------------------------------|----------|------------|
| D4188-1 Spring - LH Idle Stop | 6 | [REDACTED] |
| D4188-2 Spring - RH Idle Stop | 6 | [REDACTED] |
| D4188-3 Spring - Idle Stop Limiter | 6 | [REDACTED] |
| D4188-5 Spring - Fly Stop | 6 | [REDACTED] |
| <u>D4188-7 Spring - Pivot</u> | 6 | [REDACTED] |
| D4188-9 Spring - Plunger | 6 | [REDACTED] |
| Delivery: 2 weeks ARO | | |

TERMS & CONDITIONS

This quotation is subject to review after 30 days. Orders cannot be cancelled except by our consent and on terms which will indemnify us of any loss or damage. Estimates of delivery are subject to change. An over or under run of up to 10% allowed on total parts ordered. Rights reserved to keep all tools manufactured by us. Liability limited to repair or replacement of parts only if they fail to meet specifications or raw material is defective. Under no circumstances shall we be obliged to pay for consequential damages. Springs quoted using commercial tolerances unless otherwise noted. Printed machine tolerances do not apply.

- TAXES EXTRA
- TERMS: NET 30 DAYS

Jeremy Burrowes
VICTORY SPRING LTD.

www.victoryspring.ca

sales@victoryspring.ca